

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332527-935

Luminaire Tested: **SA4XXDIP-C350D1205U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332527-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C350D1205U935-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

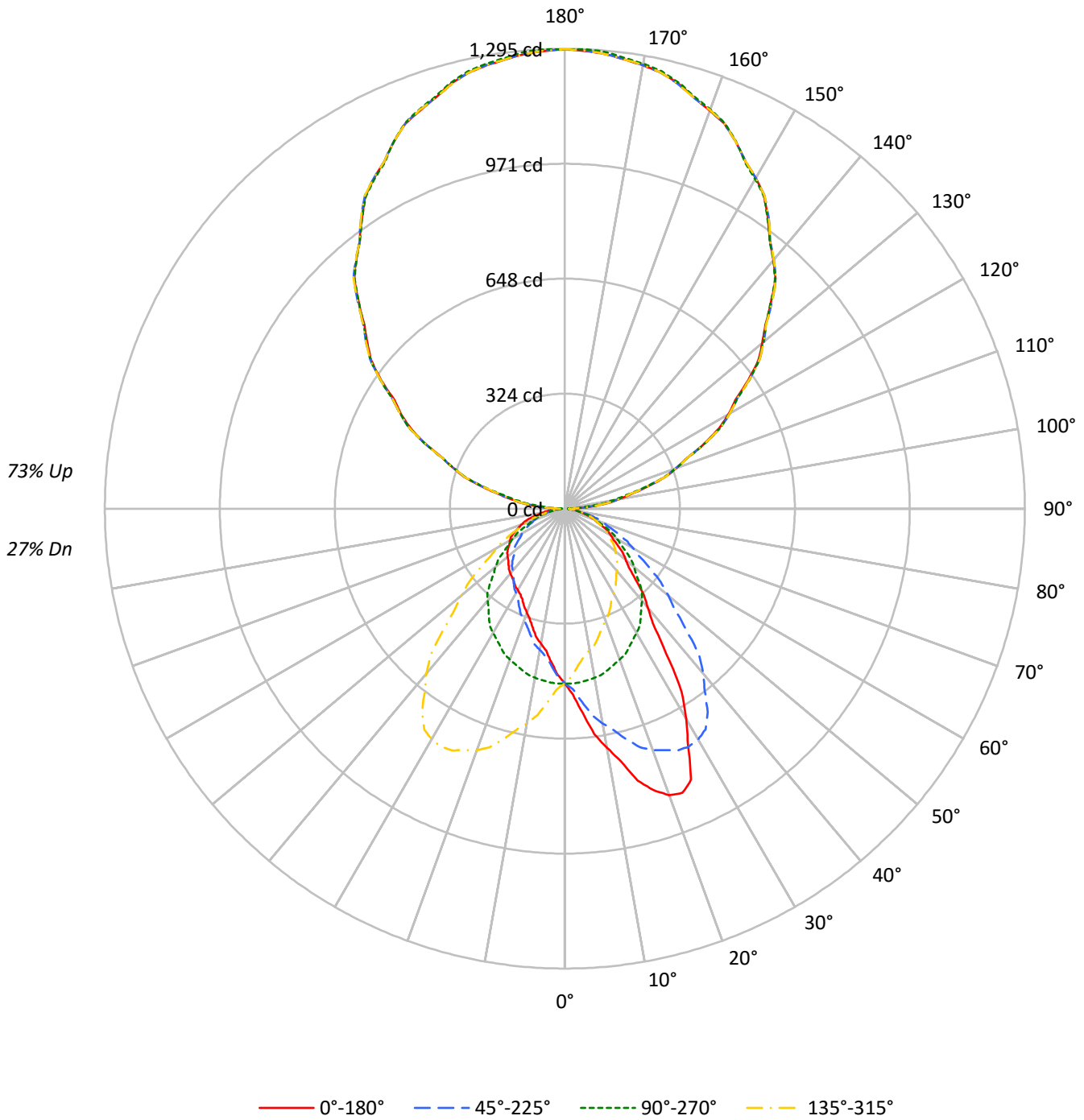
Lumens per Lamp: N/A
Luminaire Lumens: 4949.5 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23
2	85	78	72	67	75	70	65	60	54	51	48	41	38	37	28	27	25	20
3	77	68	61	56	69	61	55	51	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19	15
5	65	54	46	40	58	48	42	37	38	33	30	29	26	23	20	18	16	13
6	60	48	40	35	53	43	37	32	34	29	26	26	23	20	18	16	15	11
7	55	43	36	30	49	39	32	28	31	26	23	24	20	18	17	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	22	18	16	15	13	12	9
9	47	36	28	24	42	32	26	22	26	21	18	20	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3971	3971	3971	3971
5°	4676	3981	3514	3981
10°	5599	3963	3163	3963
15°	6624	3924	2906	3924
20°	7377	3882	2674	3882
25°	7496	3822	2515	3822
30°	6378	3765	2466	3765
35°	4904	3671	2466	3671
40°	3822	3561	2512	3561
45°	3186	3394	2555	3394
50°	2804	3191	2641	3191
55°	2570	2949	2747	2949
60°	2407	2730	2876	2730
65°	2243	2487	2982	2487
70°	2049	2245	3050	2245
75°	1831	1978	3013	1978
80°	1534	1623	2920	1623
85°	1130	1176	2788	1176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	1.0
10°-20°	147.7	3.0
20°-30°	234.2	4.7
30°-40°	260.7	5.3
40°-50°	237.3	4.8
50°-60°	193.9	3.9
60°-70°	138.4	2.8
70°-80°	76.2	1.5
80°-90°	24.7	0.5
90°-100°	85.3	1.7
100°-110°	252.7	5.1
110°-120°	428.9	8.7
120°-130°	565.6	11.4
130°-140°	635.2	12.8
140°-150°	624.2	12.6
150°-160°	525.0	10.6
160°-170°	349.3	7.1
170°-180°	122.3	2.5
0°-30°	429.9	8.7
0°-40°	690.5	14.0
0°-60°	1121.7	22.7
0°-90°	1361.0	27.5
90°-120°	767.0	15.5
90°-150°	2591.9	52.4
90°-180°	3588.0	72.5
0°-180°	4949.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	492	492	492	492	492	
5°	577	491	434	491	577	59
15°	793	470	348	470	793	224
25°	842	429	282	429	842	371
35°	498	372	250	372	498	316
45°	279	297	224	297	279	220
55°	183	210	195	210	183	165
65°	117	130	156	130	117	116
75°	59	63	97	63	59	62
85°	12	13	30	13	12	16
90°	30	3	30	3	30	16
95°	79	60	79	60	79	82
105°	244	233	244	233	244	257
115°	432	436	432	436	432	427
125°	630	635	630	635	630	562
135°	820	819	820	819	820	633
145°	996	995	996	995	996	623
155°	1139	1140	1139	1140	1139	524
165°	1238	1241	1238	1241	1238	349
175°	1285	1291	1285	1291	1285	122
180°	1293	1293	1293	1293	1293	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	523.5	523.4	521.8	521.4	520.3	518.8	518.5	515.8	510.7	508.2	507.6
5°	577.0	581.2	575.8	574.8	574.2	567.5	564.0	560.0	550.6	545.1	540.8
7.5°	641.0	641.4	639.1	637.3	632.1	626.2	617.4	608.0	596.8	585.3	576.5
10°	683.0	684.7	682.0	681.7	671.2	664.7	651.7	640.7	628.0	614.0	601.2
12.5°	727.4	725.1	723.8	715.1	713.1	701.2	686.0	674.8	655.2	639.0	622.0
15°	792.6	788.2	785.3	773.4	767.4	750.9	734.8	722.4	696.9	672.6	654.3
17.5°	831.0	835.4	828.9	823.9	808.7	797.0	780.6	754.5	734.6	704.5	681.3
20°	858.7	859.1	855.4	850.3	838.4	823.6	805.7	777.2	753.4	723.4	691.6
22.5°	866.2	866.3	864.7	860.0	850.8	839.0	820.9	797.0	768.2	735.6	703.8
25°	841.5	840.8	842.6	847.9	844.5	840.8	830.3	812.6	785.7	751.3	717.0
27.5°	750.1	755.8	766.1	779.1	791.7	801.2	803.9	800.3	783.7	755.4	719.5
30°	684.2	691.2	699.0	712.0	737.3	751.7	767.6	779.6	772.9	750.3	716.9
32.5°	611.9	613.6	625.1	639.9	663.1	690.9	716.1	740.5	748.6	736.8	708.9
35°	497.6	500.5	512.9	527.5	555.9	590.0	627.8	661.7	689.6	700.8	686.5
37.5°	406.0	414.2	423.0	438.8	463.7	494.4	533.7	577.6	619.1	647.0	651.8
40°	362.7	367.8	374.1	386.2	407.3	437.5	471.3	521.4	565.7	605.6	618.6
42.5°	328.5	331.5	335.4	346.2	362.3	392.4	423.3	467.4	511.7	559.5	581.3
45°	279.1	282.2	288.8	295.1	307.3	328.0	356.8	393.0	437.7	483.7	524.1
47.5°	243.6	245.5	249.3	256.1	266.6	280.3	303.6	333.9	375.2	420.0	463.0
50°	223.3	225.0	228.0	234.1	242.1	254.3	273.5	301.8	334.2	379.2	421.4
52.5°	207.3	208.0	210.3	214.4	220.8	231.0	246.8	270.2	300.3	340.4	382.5
55°	182.6	183.4	185.5	188.5	194.0	200.5	212.5	230.1	256.3	291.2	327.7
57.5°	162.2	162.8	164.5	165.7	170.2	175.5	184.8	197.3	217.1	246.8	279.3
60°	149.1	148.8	150.8	151.8	154.9	159.4	166.5	178.5	195.8	219.6	249.6
62.5°	136.5	135.9	137.6	139.0	140.7	144.5	150.3	159.7	173.8	195.4	221.3
65°	117.4	116.6	117.6	119.2	120.8	122.9	127.2	135.5	146.7	162.2	181.9
67.5°	98.2	99.1	99.3	100.0	101.0	103.8	106.7	112.6	120.5	132.9	149.6
70°	86.8	87.0	87.8	87.8	88.4	90.9	93.3	96.8	104.5	116.0	129.6
72.5°	75.4	76.3	75.9	76.5	77.1	78.7	80.4	83.8	90.3	98.8	110.4
75°	58.7	59.3	59.3	59.5	60.1	60.7	62.2	64.6	69.3	75.6	83.5
77.5°	42.8	42.9	43.1	43.9	43.9	44.9	45.9	47.9	50.2	54.5	59.4
80°	33.0	33.4	33.2	33.7	33.7	34.4	34.9	37.3	38.3	41.2	45.0
82.5°	24.2	24.6	24.5	25.1	25.5	25.7	26.2	27.2	28.2	30.7	32.3
85°	12.2	12.7	12.2	12.7	13.3	13.4	14.0	14.3	15.1	15.7	17.1
87.5°	9.6	10.0	9.9	10.0	10.2	10.2	10.1	9.6	10.1	9.9	10.2
90°	30.0	29.5	29.1	28.7	28.2	27.4	26.0	24.7	23.3	22.0	20.2
92.5°	44.4	44.2	43.9	43.7	43.3	42.8	42.0	41.2	40.4	39.6	38.4
95°	79.0	79.0	79.0	79.0	79.0	78.7	78.0	77.3	76.7	76.0	74.5
97.5°	123.8	123.8	123.8	123.8	123.8	123.5	122.6	121.8	121.1	120.2	118.4
100°	155.1	155.1	155.1	155.1	155.1	154.8	154.4	153.9	153.5	153.1	151.0
102.5°	190.3	190.1	189.9	189.8	189.5	189.2	188.6	187.9	187.3	186.7	184.9
105°	244.1	243.4	242.7	242.1	241.4	240.7	240.0	239.4	238.8	238.1	237.2
107.5°	296.5	296.5	296.6	296.6	296.7	296.4	295.8	295.2	294.5	293.9	293.8
110°	334.1	333.5	332.8	332.1	331.4	331.3	331.7	332.2	332.7	333.1	333.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	372.6	372.4	372.2	372.1	372.0	372.0	372.0	372.1	372.2	372.3	372.7
115°	432.1	432.4	432.6	432.8	433.0	433.3	433.4	433.7	433.9	434.1	434.5
117.5°	489.0	489.4	489.8	490.3	490.8	491.3	492.1	492.8	493.6	494.4	494.6
120°	532.2	531.8	531.2	530.8	530.4	530.7	531.8	533.0	534.1	535.2	535.8
122.5°	568.2	568.9	569.8	570.6	571.4	572.1	572.9	573.7	574.5	575.1	575.5
125°	630.2	630.6	631.1	631.5	632.0	632.4	632.8	633.3	633.8	634.2	634.4
127.5°	687.6	687.9	688.3	688.7	689.1	689.4	689.9	690.3	690.8	691.2	691.6
130°	725.2	726.1	727.0	727.9	728.8	729.4	729.9	730.3	730.8	731.2	731.2
132.5°	765.3	765.6	765.9	766.3	766.6	767.1	767.5	767.9	768.4	768.9	769.0
135°	820.3	820.9	821.6	822.3	822.9	823.5	823.9	824.4	824.8	825.3	825.3
137.5°	878.0	878.0	877.8	877.7	877.5	877.8	878.3	878.9	879.5	880.0	879.7
140°	913.3	913.5	913.7	914.0	914.2	914.4	914.6	914.8	915.1	915.2	915.2
142.5°	948.5	948.6	948.6	948.6	948.6	948.7	948.7	948.8	948.8	948.9	949.1
145°	996.3	997.0	997.6	998.3	998.9	999.4	999.6	999.9	1000.1	1000.3	1000.1
147.5°	1044.7	1044.9	1045.2	1045.4	1045.6	1045.8	1046.0	1046.2	1046.4	1046.5	1046.7
150°	1074.4	1074.5	1074.8	1075.0	1075.2	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
152.5°	1101.6	1102.1	1102.7	1103.3	1103.9	1103.9	1103.4	1102.8	1102.3	1101.7	1101.6
155°	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9	1142.0	1141.2	1140.2	1139.4	1139.5
157.5°	1173.2	1173.9	1174.7	1175.4	1176.2	1176.2	1175.5	1174.9	1174.2	1173.5	1173.6
160°	1192.4	1193.5	1194.6	1195.7	1196.8	1197.0	1196.4	1195.7	1195.1	1194.4	1194.6
162.5°	1212.4	1213.5	1214.6	1215.7	1216.9	1216.8	1215.6	1214.4	1213.1	1211.9	1212.2
165°	1238.4	1239.2	1240.2	1241.0	1241.9	1241.7	1240.4	1239.1	1237.7	1236.4	1236.8
167.5°	1257.0	1258.4	1259.7	1261.1	1262.5	1262.5	1261.2	1259.8	1258.5	1257.1	1257.1
170°	1267.4	1268.9	1270.5	1272.0	1273.6	1273.8	1272.4	1271.1	1269.7	1268.4	1268.2
172.5°	1276.2	1277.7	1279.3	1280.8	1282.5	1282.5	1280.9	1279.4	1277.9	1276.4	1276.3
175°	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6	1290.0	1288.5	1286.9	1285.4	1285.6
177.5°	1290.2	1291.6	1293.0	1294.4	1295.9	1296.0	1294.8	1293.5	1292.3	1291.0	1291.0
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	507.7	505.4	503.8	502.5	498.9	496.8	495.2	492.9	490.3	487.5	484.1
5°	536.5	529.6	524.5	516.8	509.5	503.3	497.0	491.3	484.4	476.8	471.3
7.5°	566.8	556.5	543.3	531.8	518.9	507.7	497.7	487.5	476.8	466.4	456.9
10°	586.1	572.8	558.1	540.8	524.5	510.1	496.6	483.5	470.9	458.3	447.5
12.5°	606.7	590.2	568.5	548.3	530.0	510.7	494.5	478.5	463.2	450.0	437.4
15°	634.6	610.7	585.7	558.5	534.5	511.9	489.7	469.5	452.4	434.8	422.6
17.5°	651.6	622.1	593.5	565.2	536.1	507.5	483.5	460.3	438.9	421.5	406.0
20°	662.9	633.5	597.9	569.6	534.9	505.6	477.9	451.9	429.6	411.0	395.1
22.5°	672.6	638.8	603.0	565.8	531.3	500.2	469.8	443.8	420.9	401.4	386.2
25°	678.0	639.0	600.3	563.2	524.1	487.2	459.7	429.1	404.7	384.1	367.8
27.5°	678.6	636.9	593.1	551.9	511.5	477.2	442.5	415.1	389.8	368.0	352.3
30°	676.7	633.4	586.3	541.7	501.1	463.8	433.6	403.9	378.0	356.4	340.1
32.5°	671.0	625.9	577.5	530.2	488.2	451.7	420.6	392.3	367.0	345.8	328.6
35°	654.5	609.8	558.4	509.2	466.2	429.4	401.2	372.5	347.2	327.1	310.6
37.5°	628.7	588.4	536.0	485.2	442.9	405.9	378.0	352.1	329.2	308.8	291.9
40°	606.2	570.8	518.1	468.6	423.0	387.8	361.7	337.9	315.2	295.8	279.7
42.5°	580.3	549.4	500.9	448.5	404.4	369.0	343.6	322.2	300.9	283.0	266.9
45°	534.1	513.7	468.0	419.6	373.7	340.3	316.1	297.3	279.4	261.8	248.4
47.5°	481.0	470.8	432.4	386.3	342.9	309.9	288.9	271.6	255.8	241.0	229.1
50°	445.2	440.3	407.2	362.7	321.2	290.2	269.0	254.1	240.6	227.6	216.4
52.5°	410.0	409.8	379.9	339.2	300.7	271.0	249.9	236.0	224.4	213.8	203.7
55°	356.2	361.9	338.5	302.2	267.8	240.8	221.9	209.5	201.3	192.6	185.0
57.5°	306.8	316.2	296.9	264.9	236.2	211.5	194.9	185.6	176.9	171.6	166.1
60°	274.5	283.4	268.4	241.5	214.4	193.2	177.5	169.1	161.6	157.9	154.0
62.5°	245.8	253.7	242.6	217.7	194.2	173.7	160.5	152.5	147.4	143.4	140.9
65°	204.8	211.5	201.9	183.8	163.6	147.3	136.6	130.2	125.4	123.7	120.8
67.5°	165.6	171.7	166.5	151.1	134.9	122.5	114.1	108.1	105.1	103.8	101.7
70°	142.2	148.4	142.8	129.4	116.9	106.6	98.6	95.1	92.1	91.5	88.7
72.5°	122.5	126.7	121.1	110.6	100.0	91.3	85.1	81.5	79.9	78.8	77.2
75°	91.9	95.6	91.9	83.8	76.2	70.1	64.8	63.4	61.6	61.0	59.9
77.5°	65.0	68.2	65.4	60.4	54.7	49.9	47.1	45.3	44.9	43.8	44.3
80°	49.7	51.7	49.1	45.6	41.2	37.9	35.9	34.9	33.7	33.2	34.0
82.5°	35.7	36.6	35.2	32.9	29.6	27.5	26.1	24.9	24.6	24.7	24.7
85°	18.5	18.3	18.2	16.1	15.1	13.7	12.8	12.7	12.4	12.8	13.3
87.5°	9.9	9.7	9.2	8.1	7.1	6.1	5.5	4.8	5.5	6.1	6.8
90°	18.4	16.7	14.9	12.7	10.3	7.9	5.4	3.0	5.4	7.9	10.3
92.5°	37.1	35.9	34.6	32.6	29.8	27.0	24.2	21.4	24.2	27.0	29.8
95°	72.9	71.4	69.8	68.0	66.0	64.1	62.0	60.0	62.0	64.1	66.0
97.5°	116.6	114.8	113.0	111.2	109.6	108.1	106.4	104.9	106.4	108.1	109.6
100°	149.0	147.1	145.1	143.6	142.7	141.8	140.9	140.1	140.9	141.8	142.7
102.5°	183.0	181.2	179.3	178.3	177.9	177.5	177.2	176.8	177.2	177.5	177.9
105°	236.3	235.4	234.5	233.9	233.8	233.5	233.3	233.1	233.3	233.5	233.8
107.5°	293.6	293.5	293.3	293.2	292.9	292.7	292.4	292.1	292.4	292.7	292.9
110°	333.6	333.8	334.0	333.9	333.5	332.9	332.5	332.1	332.5	332.9	333.5



TEST NUMBER: P332527-935

CATALOG NUMBER: SA4XXDIP-C350D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	373.2	373.5	373.9	374.1	374.0	373.9	373.8	373.7	373.8	373.9	374.0
115°	435.1	435.5	435.9	436.1	436.1	436.1	436.1	436.1	436.1	436.1	436.1
117.5°	495.0	495.2	495.6	495.7	495.5	495.3	495.2	495.0	495.2	495.3	495.5
120°	536.5	537.2	537.9	537.7	536.8	536.0	535.0	534.2	535.0	536.0	536.8
122.5°	575.8	576.1	576.4	576.4	576.0	575.7	575.3	575.0	575.3	575.7	576.0
125°	634.6	634.9	635.1	635.2	635.2	635.2	635.2	635.2	635.2	635.2	635.2
127.5°	691.9	692.2	692.7	692.5	691.8	691.1	690.5	689.8	690.5	691.1	691.8
130°	731.2	731.2	731.2	730.9	730.2	729.5	728.9	728.2	728.9	729.5	730.2
132.5°	769.2	769.4	769.6	769.4	768.9	768.4	767.9	767.4	767.9	768.4	768.9
135°	825.3	825.3	825.3	824.6	823.3	821.9	820.6	819.2	820.6	821.9	823.3
137.5°	879.3	879.0	878.7	878.1	877.5	876.9	876.3	875.6	876.3	876.9	877.5
140°	915.2	915.2	915.2	915.1	914.6	914.2	913.7	913.3	913.7	914.2	914.6
142.5°	949.3	949.4	949.6	949.5	949.0	948.6	948.1	947.7	948.1	948.6	949.0
145°	999.9	999.6	999.4	998.8	998.0	997.1	996.2	995.3	996.2	997.1	998.0
147.5°	1046.9	1047.1	1047.2	1046.8	1045.7	1044.7	1043.6	1042.5	1043.6	1044.7	1045.7
150°	1075.3	1075.3	1075.3	1074.9	1074.0	1073.2	1072.2	1071.3	1072.2	1073.2	1074.0
152.5°	1101.4	1101.2	1101.0	1100.7	1100.1	1099.6	1099.1	1098.5	1099.1	1099.6	1100.1
155°	1139.8	1140.1	1140.2	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3
157.5°	1173.6	1173.7	1173.7	1174.0	1174.4	1174.7	1175.2	1175.5	1175.2	1174.7	1174.4
160°	1194.8	1195.1	1195.2	1195.5	1195.7	1195.9	1196.2	1196.4	1196.2	1195.9	1195.7
162.5°	1212.5	1212.6	1212.9	1213.2	1213.8	1214.4	1215.0	1215.6	1215.0	1214.4	1213.8
165°	1237.3	1237.7	1238.1	1238.7	1239.4	1240.0	1240.7	1241.4	1240.7	1240.0	1239.4
167.5°	1257.1	1257.1	1257.0	1257.5	1258.4	1259.3	1260.2	1261.2	1260.2	1259.3	1258.4
170°	1267.9	1267.7	1267.5	1267.9	1269.0	1270.1	1271.3	1272.4	1271.3	1270.1	1269.0
172.5°	1276.3	1276.3	1276.2	1276.7	1277.6	1278.5	1279.4	1280.4	1279.4	1278.5	1277.6
175°	1285.8	1286.1	1286.2	1286.9	1288.1	1289.2	1290.3	1291.4	1290.3	1289.2	1288.1
177.5°	1291.0	1291.0	1291.0	1291.4	1292.4	1293.2	1294.1	1295.0	1294.1	1293.2	1292.4
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



TEST NUMBER: P332527-935

CATALOG NUMBER: SA4XXDIP-C350D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	482.4	481.0	478.9	476.0	473.5	470.9	470.2	469.2	471.2	469.6	469.1
5°	466.7	462.4	456.8	450.6	446.9	441.6	440.6	438.5	436.4	436.3	434.2
7.5°	449.9	443.6	436.4	430.0	424.0	418.2	414.4	413.6	410.6	408.8	406.8
10°	439.1	431.4	423.0	416.9	410.0	403.9	399.6	397.2	395.1	392.9	390.8
12.5°	426.5	418.2	411.3	404.7	396.5	391.8	384.8	380.6	380.1	380.1	374.9
15°	411.6	403.5	392.9	383.5	379.0	370.1	366.2	361.3	358.3	355.2	352.8
17.5°	394.7	384.5	376.3	365.5	357.0	349.8	344.7	341.8	337.2	332.9	329.8
20°	384.1	373.3	364.5	353.1	343.8	335.0	330.7	326.7	323.2	319.5	316.1
22.5°	373.3	362.1	351.4	340.3	331.6	322.3	318.1	312.6	309.4	307.3	303.8
25°	356.4	344.1	331.9	321.3	312.4	304.2	298.8	294.5	290.8	289.1	286.9
27.5°	337.9	325.8	314.0	302.0	291.8	285.9	281.5	278.3	276.1	274.0	272.9
30°	326.2	313.6	301.0	289.7	280.4	274.5	270.4	268.2	266.6	265.5	264.5
32.5°	314.4	301.9	288.6	278.4	269.9	264.7	261.6	259.3	258.6	258.2	257.8
35°	295.2	282.7	270.4	261.2	253.3	251.2	248.6	247.4	246.9	248.4	249.0
37.5°	276.8	265.1	253.8	245.0	239.7	236.8	235.8	235.9	237.4	238.6	240.0
40°	264.9	253.5	242.9	235.1	230.2	228.4	228.0	229.0	230.7	232.1	233.8
42.5°	253.3	242.1	232.5	225.2	221.8	220.1	220.3	221.4	223.7	225.4	227.8
45°	235.4	226.0	216.6	210.7	207.8	208.3	208.3	210.1	212.3	215.0	217.7
47.5°	218.4	209.0	201.3	196.3	194.8	194.5	195.6	198.0	201.2	204.5	208.2
50°	207.1	198.0	191.3	186.8	185.2	185.8	187.4	189.7	193.6	197.7	201.6
52.5°	195.4	187.3	181.1	176.9	175.7	176.8	178.5	182.0	185.5	189.9	194.5
55°	177.5	170.6	165.7	162.6	162.2	162.8	164.6	168.5	173.4	178.9	183.4
57.5°	159.6	153.8	149.3	147.2	147.4	148.0	151.0	155.6	160.8	166.7	172.5
60°	147.5	142.2	138.5	136.9	137.2	138.4	142.1	146.3	152.8	158.5	164.6
62.5°	136.1	131.5	127.9	126.5	126.2	128.9	132.4	136.8	143.4	149.7	156.4
65°	117.8	114.1	111.2	110.5	111.1	113.1	117.6	123.5	129.0	135.7	142.7
67.5°	99.9	96.9	94.9	95.2	96.0	99.0	102.7	107.8	114.1	121.1	127.9
70°	88.4	85.6	83.9	84.1	85.4	89.0	92.3	97.4	104.1	111.2	116.9
72.5°	76.7	74.8	73.4	74.2	75.4	77.9	82.1	87.1	93.1	99.7	105.7
75°	58.9	58.9	58.1	58.7	60.5	62.9	66.0	71.3	77.2	82.6	87.4
77.5°	43.7	43.2	43.7	44.5	45.5	48.5	52.0	55.8	60.2	65.5	69.6
80°	33.4	33.7	34.6	35.9	36.2	38.5	42.2	45.6	49.1	53.6	57.4
82.5°	25.1	25.3	25.8	27.4	27.8	30.2	32.5	36.0	39.2	42.2	45.4
85°	13.7	13.7	14.6	15.3	16.3	17.9	19.4	21.4	24.3	26.3	29.4
87.5°	7.7	8.2	9.2	9.9	10.8	11.9	12.5	14.6	15.5	16.5	18.2
90°	12.7	14.9	16.7	18.4	20.2	22.0	23.3	24.7	26.0	27.4	28.2
92.5°	32.6	34.6	35.9	37.1	38.4	39.6	40.4	41.2	42.0	42.8	43.3
95°	68.0	69.8	71.4	72.9	74.5	76.0	76.7	77.3	78.0	78.7	79.0
97.5°	111.2	113.0	114.8	116.6	118.4	120.2	121.1	121.8	122.6	123.5	123.8
100°	143.6	145.1	147.1	149.0	151.0	153.1	153.5	153.9	154.4	154.8	155.1
102.5°	178.3	179.3	181.2	183.0	184.9	186.7	187.3	187.9	188.6	189.2	189.5
105°	233.9	234.5	235.4	236.3	237.2	238.1	238.8	239.4	240.0	240.7	241.4
107.5°	293.2	293.3	293.5	293.6	293.8	293.9	294.5	295.2	295.8	296.4	296.7
110°	333.9	334.0	333.8	333.6	333.3	333.1	332.7	332.2	331.7	331.3	331.4



TEST NUMBER: P332527-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	374.1	373.9	373.5	373.2	372.7	372.3	372.2	372.1	372.0	372.0	372.0
115°	436.1	435.9	435.5	435.1	434.5	434.1	433.9	433.7	433.4	433.3	433.0
117.5°	495.7	495.6	495.2	495.0	494.6	494.4	493.6	492.8	492.1	491.3	490.8
120°	537.7	537.9	537.2	536.5	535.8	535.2	534.1	533.0	531.8	530.7	530.4
122.5°	576.4	576.4	576.1	575.8	575.5	575.1	574.5	573.7	572.9	572.1	571.4
125°	635.2	635.1	634.9	634.6	634.4	634.2	633.8	633.3	632.8	632.4	632.0
127.5°	692.5	692.7	692.2	691.9	691.6	691.2	690.8	690.3	689.9	689.4	689.1
130°	730.9	731.2	731.2	731.2	731.2	731.2	730.8	730.3	729.9	729.4	728.8
132.5°	769.4	769.6	769.4	769.2	769.0	768.9	768.4	767.9	767.5	767.1	766.6
135°	824.6	825.3	825.3	825.3	825.3	825.3	824.8	824.4	823.9	823.5	822.9
137.5°	878.1	878.7	879.0	879.3	879.7	880.0	879.5	878.9	878.3	877.8	877.5
140°	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.8	914.6	914.4	914.2
142.5°	949.5	949.6	949.4	949.3	949.1	948.9	948.8	948.8	948.7	948.7	948.6
145°	998.8	999.4	999.6	999.9	1000.1	1000.3	1000.1	999.9	999.6	999.4	998.9
147.5°	1046.8	1047.2	1047.1	1046.9	1046.7	1046.5	1046.4	1046.2	1046.0	1045.8	1045.6
150°	1074.9	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.2
152.5°	1100.7	1101.0	1101.2	1101.4	1101.6	1101.7	1102.3	1102.8	1103.4	1103.9	1103.9
155°	1140.3	1140.2	1140.1	1139.8	1139.5	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9
157.5°	1174.0	1173.7	1173.7	1173.6	1173.6	1173.5	1174.2	1174.9	1175.5	1176.2	1176.2
160°	1195.5	1195.2	1195.1	1194.8	1194.6	1194.4	1195.1	1195.7	1196.4	1197.0	1196.8
162.5°	1213.2	1212.9	1212.6	1212.5	1212.2	1211.9	1213.1	1214.4	1215.6	1216.8	1216.9
165°	1238.7	1238.1	1237.7	1237.3	1236.8	1236.4	1237.7	1239.1	1240.4	1241.7	1241.9
167.5°	1257.5	1257.0	1257.1	1257.1	1257.1	1257.1	1258.5	1259.8	1261.2	1262.5	1262.5
170°	1267.9	1267.5	1267.7	1267.9	1268.2	1268.4	1269.7	1271.1	1272.4	1273.8	1273.6
172.5°	1276.7	1276.2	1276.3	1276.3	1276.3	1276.4	1277.9	1279.4	1280.9	1282.5	1282.5
175°	1286.9	1286.2	1286.1	1285.8	1285.6	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6
177.5°	1291.4	1291.0	1291.0	1291.0	1291.0	1291.0	1292.3	1293.5	1294.8	1296.0	1295.9
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



TEST NUMBER: P332527-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	468.7	468.5	467.3	467.1	467.3	468.5	468.7	469.1	469.6	471.2	469.2
5°	433.0	432.0	431.4	433.6	431.4	432.0	433.0	434.2	436.3	436.4	438.5
7.5°	406.0	405.3	403.5	402.9	403.5	405.3	406.0	406.8	408.8	410.6	413.6
10°	388.8	388.0	386.3	385.9	386.3	388.0	388.8	390.8	392.9	395.1	397.2
12.5°	372.1	370.6	370.2	370.7	370.2	370.6	372.1	374.9	380.1	380.1	380.6
15°	350.1	349.2	347.0	347.7	347.0	349.2	350.1	352.8	355.2	358.3	361.3
17.5°	328.3	327.4	324.6	327.0	324.6	327.4	328.3	329.8	332.9	337.2	341.8
20°	314.6	313.0	311.6	311.3	311.6	313.0	314.6	316.1	319.5	323.2	326.7
22.5°	301.6	300.1	300.0	298.7	300.0	300.1	301.6	303.8	307.3	309.4	312.6
25°	285.2	283.9	283.4	282.4	283.4	283.9	285.2	286.9	289.1	290.8	294.5
27.5°	272.8	272.1	271.3	271.6	271.3	272.1	272.8	272.9	274.0	276.1	278.3
30°	265.1	264.9	264.5	264.5	264.5	264.9	265.1	264.5	265.5	266.6	268.2
32.5°	258.7	258.7	259.0	259.0	259.0	258.7	258.7	257.8	258.2	258.6	259.3
35°	249.9	250.5	250.8	250.2	250.8	250.5	249.9	249.0	248.4	246.9	247.4
37.5°	241.8	242.4	243.0	243.7	243.0	242.4	241.8	240.0	238.6	237.4	235.9
40°	235.6	236.9	237.4	238.4	237.4	236.9	235.6	233.8	232.1	230.7	229.0
42.5°	229.7	231.3	232.3	232.6	232.3	231.3	229.7	227.8	225.4	223.7	221.4
45°	220.7	222.3	223.8	223.8	223.8	222.3	220.7	217.7	215.0	212.3	210.1
47.5°	211.4	213.7	215.2	215.5	215.2	213.7	211.4	208.2	204.5	201.2	198.0
50°	205.0	207.8	209.3	210.3	209.3	207.8	205.0	201.6	197.7	193.6	189.7
52.5°	198.8	201.6	203.5	204.1	203.5	201.6	198.8	194.5	189.9	185.5	182.0
55°	188.0	192.2	194.4	195.2	194.4	192.2	188.0	183.4	178.9	173.4	168.5
57.5°	178.0	181.8	184.3	184.9	184.3	181.8	178.0	172.5	166.7	160.8	155.6
60°	170.1	174.3	177.5	178.1	177.5	174.3	170.1	164.6	158.5	152.8	146.3
62.5°	162.1	166.4	169.4	170.9	169.4	166.4	162.1	156.4	149.7	143.4	136.8
65°	148.4	152.7	155.5	156.1	155.5	152.7	148.4	142.7	135.7	129.0	123.5
67.5°	133.3	137.6	139.4	140.6	139.4	137.6	133.3	127.9	121.1	114.1	107.8
70°	122.7	126.1	128.2	129.2	128.2	126.1	122.7	116.9	111.2	104.1	97.4
72.5°	110.6	114.3	116.6	116.8	116.6	114.3	110.6	105.7	99.7	93.1	87.1
75°	92.1	95.4	96.6	96.6	96.6	95.4	92.1	87.4	82.6	77.2	71.3
77.5°	72.9	74.6	76.1	76.5	76.1	74.6	72.9	69.6	65.5	60.2	55.8
80°	60.5	61.6	62.8	62.8	62.8	61.6	60.5	57.4	53.6	49.1	45.6
82.5°	47.8	48.6	49.9	49.7	49.9	48.6	47.8	45.4	42.2	39.2	36.0
85°	28.9	30.7	30.6	30.1	30.6	30.7	28.9	29.4	26.3	24.3	21.4
87.5°	18.8	19.0	19.6	20.1	19.6	19.0	18.8	18.2	16.5	15.5	14.6
90°	28.7	29.1	29.5	30.0	29.5	29.1	28.7	28.2	27.4	26.0	24.7
92.5°	43.7	43.9	44.2	44.4	44.2	43.9	43.7	43.3	42.8	42.0	41.2
95°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	78.7	78.0	77.3
97.5°	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.5	122.6	121.8
100°	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	154.8	154.4	153.9
102.5°	189.8	189.9	190.1	190.3	190.1	189.9	189.8	189.5	189.2	188.6	187.9
105°	242.1	242.7	243.4	244.1	243.4	242.7	242.1	241.4	240.7	240.0	239.4
107.5°	296.6	296.6	296.5	296.5	296.5	296.6	296.6	296.7	296.4	295.8	295.2
110°	332.1	332.8	333.5	334.1	333.5	332.8	332.1	331.4	331.3	331.7	332.2



TEST NUMBER: P332527-935

CATALOG NUMBER: SA4XXDIP-C350D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	372.1	372.2	372.4	372.6	372.4	372.2	372.1	372.0	372.0	372.0	372.1
115°	432.8	432.6	432.4	432.1	432.4	432.6	432.8	433.0	433.3	433.4	433.7
117.5°	490.3	489.8	489.4	489.0	489.4	489.8	490.3	490.8	491.3	492.1	492.8
120°	530.8	531.2	531.8	532.2	531.8	531.2	530.8	530.4	530.7	531.8	533.0
122.5°	570.6	569.8	568.9	568.2	568.9	569.8	570.6	571.4	572.1	572.9	573.7
125°	631.5	631.1	630.6	630.2	630.6	631.1	631.5	632.0	632.4	632.8	633.3
127.5°	688.7	688.3	687.9	687.6	687.9	688.3	688.7	689.1	689.4	689.9	690.3
130°	727.9	727.0	726.1	725.2	726.1	727.0	727.9	728.8	729.4	729.9	730.3
132.5°	766.3	765.9	765.6	765.3	765.6	765.9	766.3	766.6	767.1	767.5	767.9
135°	822.3	821.6	820.9	820.3	820.9	821.6	822.3	822.9	823.5	823.9	824.4
137.5°	877.7	877.8	878.0	878.0	878.0	877.8	877.7	877.5	877.8	878.3	878.9
140°	914.0	913.7	913.5	913.3	913.5	913.7	914.0	914.2	914.4	914.6	914.8
142.5°	948.6	948.6	948.6	948.5	948.6	948.6	948.6	948.6	948.7	948.7	948.8
145°	998.3	997.6	997.0	996.3	997.0	997.6	998.3	998.9	999.4	999.6	999.9
147.5°	1045.4	1045.2	1044.9	1044.7	1044.9	1045.2	1045.4	1045.6	1045.8	1046.0	1046.2
150°	1075.0	1074.8	1074.5	1074.4	1074.5	1074.8	1075.0	1075.2	1075.3	1075.3	1075.3
152.5°	1103.3	1102.7	1102.1	1101.6	1102.1	1102.7	1103.3	1103.9	1103.9	1103.4	1102.8
155°	1142.0	1141.2	1140.2	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9	1142.0	1141.2
157.5°	1175.4	1174.7	1173.9	1173.2	1173.9	1174.7	1175.4	1176.2	1176.2	1175.5	1174.9
160°	1195.7	1194.6	1193.5	1192.4	1193.5	1194.6	1195.7	1196.8	1197.0	1196.4	1195.7
162.5°	1215.7	1214.6	1213.5	1212.4	1213.5	1214.6	1215.7	1216.9	1216.8	1215.6	1214.4
165°	1241.0	1240.2	1239.2	1238.4	1239.2	1240.2	1241.0	1241.9	1241.7	1240.4	1239.1
167.5°	1261.1	1259.7	1258.4	1257.0	1258.4	1259.7	1261.1	1262.5	1262.5	1261.2	1259.8
170°	1272.0	1270.5	1268.9	1267.4	1268.9	1270.5	1272.0	1273.6	1273.8	1272.4	1271.1
172.5°	1280.8	1279.3	1277.7	1276.2	1277.7	1279.3	1280.8	1282.5	1282.5	1280.9	1279.4
175°	1290.0	1288.5	1286.9	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6	1290.0	1288.5
177.5°	1294.4	1293.0	1291.6	1290.2	1291.6	1293.0	1294.4	1295.9	1296.0	1294.8	1293.5
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



TEST NUMBER: P332527-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	470.2	470.9	473.5	476.0	478.9	481.0	482.4	484.1	487.5	490.3	492.9
5°	440.6	441.6	446.9	450.6	456.8	462.4	466.7	471.3	476.8	484.4	491.3
7.5°	414.4	418.2	424.0	430.0	436.4	443.6	449.9	456.9	466.4	476.8	487.5
10°	399.6	403.9	410.0	416.9	423.0	431.4	439.1	447.5	458.3	470.9	483.5
12.5°	384.8	391.8	396.5	404.7	411.3	418.2	426.5	437.4	450.0	463.2	478.5
15°	366.2	370.1	379.0	383.5	392.9	403.5	411.6	422.6	434.8	452.4	469.5
17.5°	344.7	349.8	357.0	365.5	376.3	384.5	394.7	406.0	421.5	438.9	460.3
20°	330.7	335.0	343.8	353.1	364.5	373.3	384.1	395.1	411.0	429.6	451.9
22.5°	318.1	322.3	331.6	340.3	351.4	362.1	373.3	386.2	401.4	420.9	443.8
25°	298.8	304.2	312.4	321.3	331.9	344.1	356.4	367.8	384.1	404.7	429.1
27.5°	281.5	285.9	291.8	302.0	314.0	325.8	337.9	352.3	368.0	389.8	415.1
30°	270.4	274.5	280.4	289.7	301.0	313.6	326.2	340.1	356.4	378.0	403.9
32.5°	261.6	264.7	269.9	278.4	288.6	301.9	314.4	328.6	345.8	367.0	392.3
35°	248.6	251.2	253.3	261.2	270.4	282.7	295.2	310.6	327.1	347.2	372.5
37.5°	235.8	236.8	239.7	245.0	253.8	265.1	276.8	291.9	308.8	329.2	352.1
40°	228.0	228.4	230.2	235.1	242.9	253.5	264.9	279.7	295.8	315.2	337.9
42.5°	220.3	220.1	221.8	225.2	232.5	242.1	253.3	266.9	283.0	300.9	322.2
45°	208.3	208.3	207.8	210.7	216.6	226.0	235.4	248.4	261.8	279.4	297.3
47.5°	195.6	194.5	194.8	196.3	201.3	209.0	218.4	229.1	241.0	255.8	271.6
50°	187.4	185.8	185.2	186.8	191.3	198.0	207.1	216.4	227.6	240.6	254.1
52.5°	178.5	176.8	175.7	176.9	181.1	187.3	195.4	203.7	213.8	224.4	236.0
55°	164.6	162.8	162.2	162.6	165.7	170.6	177.5	185.0	192.6	201.3	209.5
57.5°	151.0	148.0	147.4	147.2	149.3	153.8	159.6	166.1	171.6	176.9	185.6
60°	142.1	138.4	137.2	136.9	138.5	142.2	147.5	154.0	157.9	161.6	169.1
62.5°	132.4	128.9	126.2	126.5	127.9	131.5	136.1	140.9	143.4	147.4	152.5
65°	117.6	113.1	111.1	110.5	111.2	114.1	117.8	120.8	123.7	125.4	130.2
67.5°	102.7	99.0	96.0	95.2	94.9	96.9	99.9	101.7	103.8	105.1	108.1
70°	92.3	89.0	85.4	84.1	83.9	85.6	88.4	88.7	91.5	92.1	95.1
72.5°	82.1	77.9	75.4	74.2	73.4	74.8	76.7	77.2	78.8	79.9	81.5
75°	66.0	62.9	60.5	58.7	58.1	58.9	58.9	59.9	61.0	61.6	63.4
77.5°	52.0	48.5	45.5	44.5	43.7	43.2	43.7	44.3	43.8	44.9	45.3
80°	42.2	38.5	36.2	35.9	34.6	33.7	33.4	34.0	33.2	33.7	34.9
82.5°	32.5	30.2	27.8	27.4	25.8	25.3	25.1	24.7	24.7	24.6	24.9
85°	19.4	17.9	16.3	15.3	14.6	13.7	13.7	13.3	12.8	12.4	12.7
87.5°	12.5	11.9	10.8	9.9	9.2	8.2	7.7	6.8	6.1	5.5	4.8
90°	23.3	22.0	20.2	18.4	16.7	14.9	12.7	10.3	7.9	5.4	3.0
92.5°	40.4	39.6	38.4	37.1	35.9	34.6	32.6	29.8	27.0	24.2	21.4
95°	76.7	76.0	74.5	72.9	71.4	69.8	68.0	66.0	64.1	62.0	60.0
97.5°	121.1	120.2	118.4	116.6	114.8	113.0	111.2	109.6	108.1	106.4	104.9
100°	153.5	153.1	151.0	149.0	147.1	145.1	143.6	142.7	141.8	140.9	140.1
102.5°	187.3	186.7	184.9	183.0	181.2	179.3	178.3	177.9	177.5	177.2	176.8
105°	238.8	238.1	237.2	236.3	235.4	234.5	233.9	233.8	233.5	233.3	233.1
107.5°	294.5	293.9	293.8	293.6	293.5	293.3	293.2	292.9	292.7	292.4	292.1
110°	332.7	333.1	333.3	333.6	333.8	334.0	333.9	333.5	332.9	332.5	332.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	372.2	372.3	372.7	373.2	373.5	373.9	374.1	374.0	373.9	373.8	373.7
115°	433.9	434.1	434.5	435.1	435.5	435.9	436.1	436.1	436.1	436.1	436.1
117.5°	493.6	494.4	494.6	495.0	495.2	495.6	495.7	495.5	495.3	495.2	495.0
120°	534.1	535.2	535.8	536.5	537.2	537.9	537.7	536.8	536.0	535.0	534.2
122.5°	574.5	575.1	575.5	575.8	576.1	576.4	576.4	576.0	575.7	575.3	575.0
125°	633.8	634.2	634.4	634.6	634.9	635.1	635.2	635.2	635.2	635.2	635.2
127.5°	690.8	691.2	691.6	691.9	692.2	692.7	692.5	691.8	691.1	690.5	689.8
130°	730.8	731.2	731.2	731.2	731.2	731.2	730.9	730.2	729.5	728.9	728.2
132.5°	768.4	768.9	769.0	769.2	769.4	769.6	769.4	768.9	768.4	767.9	767.4
135°	824.8	825.3	825.3	825.3	825.3	825.3	824.6	823.3	821.9	820.6	819.2
137.5°	879.5	880.0	879.7	879.3	879.0	878.7	878.1	877.5	876.9	876.3	875.6
140°	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.6	914.2	913.7	913.3
142.5°	948.8	948.9	949.1	949.3	949.4	949.6	949.5	949.0	948.6	948.1	947.7
145°	1000.1	1000.3	1000.1	999.9	999.6	999.4	998.8	998.0	997.1	996.2	995.3
147.5°	1046.4	1046.5	1046.7	1046.9	1047.1	1047.2	1046.8	1045.7	1044.7	1043.6	1042.5
150°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1074.9	1074.0	1073.2	1072.2	1071.3
152.5°	1102.3	1101.7	1101.6	1101.4	1101.2	1101.0	1100.7	1100.1	1099.6	1099.1	1098.5
155°	1140.2	1139.4	1139.5	1139.8	1140.1	1140.2	1140.3	1140.3	1140.3	1140.3	1140.3
157.5°	1174.2	1173.5	1173.6	1173.6	1173.7	1173.7	1174.0	1174.4	1174.7	1175.2	1175.5
160°	1195.1	1194.4	1194.6	1194.8	1195.1	1195.2	1195.5	1195.7	1195.9	1196.2	1196.4
162.5°	1213.1	1211.9	1212.2	1212.5	1212.6	1212.9	1213.2	1213.8	1214.4	1215.0	1215.6
165°	1237.7	1236.4	1236.8	1237.3	1237.7	1238.1	1238.7	1239.4	1240.0	1240.7	1241.4
167.5°	1258.5	1257.1	1257.1	1257.1	1257.1	1257.0	1257.5	1258.4	1259.3	1260.2	1261.2
170°	1269.7	1268.4	1268.2	1267.9	1267.7	1267.5	1267.9	1269.0	1270.1	1271.3	1272.4
172.5°	1277.9	1276.4	1276.3	1276.3	1276.3	1276.2	1276.7	1277.6	1278.5	1279.4	1280.4
175°	1286.9	1285.4	1285.6	1285.8	1286.1	1286.2	1286.9	1288.1	1289.2	1290.3	1291.4
177.5°	1292.3	1291.0	1291.0	1291.0	1291.0	1291.0	1291.4	1292.4	1293.2	1294.1	1295.0
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	495.2	496.8	498.9	502.5	503.8	505.4	507.7	507.6	508.2	510.7	515.8
5°	497.0	503.3	509.5	516.8	524.5	529.6	536.5	540.8	545.1	550.6	560.0
7.5°	497.7	507.7	518.9	531.8	543.3	556.5	566.8	576.5	585.3	596.8	608.0
10°	496.6	510.1	524.5	540.8	558.1	572.8	586.1	601.2	614.0	628.0	640.7
12.5°	494.5	510.7	530.0	548.3	568.5	590.2	606.7	622.0	639.0	655.2	674.8
15°	489.7	511.9	534.5	558.5	585.7	610.7	634.6	654.3	672.6	696.9	722.4
17.5°	483.5	507.5	536.1	565.2	593.5	622.1	651.6	681.3	704.5	734.6	754.5
20°	477.9	505.6	534.9	569.6	597.9	633.5	662.9	691.6	723.4	753.4	777.2
22.5°	469.8	500.2	531.3	565.8	603.0	638.8	672.6	703.8	735.6	768.2	797.0
25°	459.7	487.2	524.1	563.2	600.3	639.0	678.0	717.0	751.3	785.7	812.6
27.5°	442.5	477.2	511.5	551.9	593.1	636.9	678.6	719.5	755.4	783.7	800.3
30°	433.6	463.8	501.1	541.7	586.3	633.4	676.7	716.9	750.3	772.9	779.6
32.5°	420.6	451.7	488.2	530.2	577.5	625.9	671.0	708.9	736.8	748.6	740.5
35°	401.2	429.4	466.2	509.2	558.4	609.8	654.5	686.5	700.8	689.6	661.7
37.5°	378.0	405.9	442.9	485.2	536.0	588.4	628.7	651.8	647.0	619.1	577.6
40°	361.7	387.8	423.0	468.6	518.1	570.8	606.2	618.6	605.6	565.7	521.4
42.5°	343.6	369.0	404.4	448.5	500.9	549.4	580.3	581.3	559.5	511.7	467.4
45°	316.1	340.3	373.7	419.6	468.0	513.7	534.1	524.1	483.7	437.7	393.0
47.5°	288.9	309.9	342.9	386.3	432.4	470.8	481.0	463.0	420.0	375.2	333.9
50°	269.0	290.2	321.2	362.7	407.2	440.3	445.2	421.4	379.2	334.2	301.8
52.5°	249.9	271.0	300.7	339.2	379.9	409.8	410.0	382.5	340.4	300.3	270.2
55°	221.9	240.8	267.8	302.2	338.5	361.9	356.2	327.7	291.2	256.3	230.1
57.5°	194.9	211.5	236.2	264.9	296.9	316.2	306.8	279.3	246.8	217.1	197.3
60°	177.5	193.2	214.4	241.5	268.4	283.4	274.5	249.6	219.6	195.8	178.5
62.5°	160.5	173.7	194.2	217.7	242.6	253.7	245.8	221.3	195.4	173.8	159.7
65°	136.6	147.3	163.6	183.8	201.9	211.5	204.8	181.9	162.2	146.7	135.5
67.5°	114.1	122.5	134.9	151.1	166.5	171.7	165.6	149.6	132.9	120.5	112.6
70°	98.6	106.6	116.9	129.4	142.8	148.4	142.2	129.6	116.0	104.5	96.8
72.5°	85.1	91.3	100.0	110.6	121.1	126.7	122.5	110.4	98.8	90.3	83.8
75°	64.8	70.1	76.2	83.8	91.9	95.6	91.9	83.5	75.6	69.3	64.6
77.5°	47.1	49.9	54.7	60.4	65.4	68.2	65.0	59.4	54.5	50.2	47.9
80°	35.9	37.9	41.2	45.6	49.1	51.7	49.7	45.0	41.2	38.3	37.3
82.5°	26.1	27.5	29.6	32.9	35.2	36.6	35.7	32.3	30.7	28.2	27.2
85°	12.8	13.7	15.1	16.1	18.2	18.3	18.5	17.1	15.7	15.1	14.3
87.5°	5.5	6.1	7.1	8.1	9.2	9.7	9.9	10.2	9.9	10.1	9.6
90°	5.4	7.9	10.3	12.7	14.9	16.7	18.4	20.2	22.0	23.3	24.7
92.5°	24.2	27.0	29.8	32.6	34.6	35.9	37.1	38.4	39.6	40.4	41.2
95°	62.0	64.1	66.0	68.0	69.8	71.4	72.9	74.5	76.0	76.7	77.3
97.5°	106.4	108.1	109.6	111.2	113.0	114.8	116.6	118.4	120.2	121.1	121.8
100°	140.9	141.8	142.7	143.6	145.1	147.1	149.0	151.0	153.1	153.5	153.9
102.5°	177.2	177.5	177.9	178.3	179.3	181.2	183.0	184.9	186.7	187.3	187.9
105°	233.3	233.5	233.8	233.9	234.5	235.4	236.3	237.2	238.1	238.8	239.4
107.5°	292.4	292.7	292.9	293.2	293.3	293.5	293.6	293.8	293.9	294.5	295.2
110°	332.5	332.9	333.5	333.9	334.0	333.8	333.6	333.3	333.1	332.7	332.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.8	373.9	374.0	374.1	373.9	373.5	373.2	372.7	372.3	372.2	372.1
115°	436.1	436.1	436.1	436.1	435.9	435.5	435.1	434.5	434.1	433.9	433.7
117.5°	495.2	495.3	495.5	495.7	495.6	495.2	495.0	494.6	494.4	493.6	492.8
120°	535.0	536.0	536.8	537.7	537.9	537.2	536.5	535.8	535.2	534.1	533.0
122.5°	575.3	575.7	576.0	576.4	576.4	576.1	575.8	575.5	575.1	574.5	573.7
125°	635.2	635.2	635.2	635.2	635.1	634.9	634.6	634.4	634.2	633.8	633.3
127.5°	690.5	691.1	691.8	692.5	692.7	692.2	691.9	691.6	691.2	690.8	690.3
130°	728.9	729.5	730.2	730.9	731.2	731.2	731.2	731.2	731.2	730.8	730.3
132.5°	767.9	768.4	768.9	769.4	769.6	769.4	769.2	769.0	768.9	768.4	767.9
135°	820.6	821.9	823.3	824.6	825.3	825.3	825.3	825.3	825.3	824.8	824.4
137.5°	876.3	876.9	877.5	878.1	878.7	879.0	879.3	879.7	880.0	879.5	878.9
140°	913.7	914.2	914.6	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.8
142.5°	948.1	948.6	949.0	949.5	949.6	949.4	949.3	949.1	948.9	948.8	948.8
145°	996.2	997.1	998.0	998.8	999.4	999.6	999.9	1000.1	1000.3	1000.1	999.9
147.5°	1043.6	1044.7	1045.7	1046.8	1047.2	1047.1	1046.9	1046.7	1046.5	1046.4	1046.2
150°	1072.2	1073.2	1074.0	1074.9	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
152.5°	1099.1	1099.6	1100.1	1100.7	1101.0	1101.2	1101.4	1101.6	1101.7	1102.3	1102.8
155°	1140.3	1140.3	1140.3	1140.3	1140.2	1140.1	1139.8	1139.5	1139.4	1140.2	1141.2
157.5°	1175.2	1174.7	1174.4	1174.0	1173.7	1173.7	1173.6	1173.6	1173.5	1174.2	1174.9
160°	1196.2	1195.9	1195.7	1195.5	1195.2	1195.1	1194.8	1194.6	1194.4	1195.1	1195.7
162.5°	1215.0	1214.4	1213.8	1213.2	1212.9	1212.6	1212.5	1212.2	1211.9	1213.1	1214.4
165°	1240.7	1240.0	1239.4	1238.7	1238.1	1237.7	1237.3	1236.8	1236.4	1237.7	1239.1
167.5°	1260.2	1259.3	1258.4	1257.5	1257.0	1257.1	1257.1	1257.1	1257.1	1258.5	1259.8
170°	1271.3	1270.1	1269.0	1267.9	1267.5	1267.7	1267.9	1268.2	1268.4	1269.7	1271.1
172.5°	1279.4	1278.5	1277.6	1276.7	1276.2	1276.3	1276.3	1276.3	1276.4	1277.9	1279.4
175°	1290.3	1289.2	1288.1	1286.9	1286.2	1286.1	1285.8	1285.6	1285.4	1286.9	1288.5
177.5°	1294.1	1293.2	1292.4	1291.4	1291.0	1291.0	1291.0	1291.0	1291.0	1292.3	1293.5
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	518.5	518.8	520.3	521.4	521.8	523.4	523.5
5°	564.0	567.5	574.2	574.8	575.8	581.2	577.0
7.5°	617.4	626.2	632.1	637.3	639.1	641.4	641.0
10°	651.7	664.7	671.2	681.7	682.0	684.7	683.0
12.5°	686.0	701.2	713.1	715.1	723.8	725.1	727.4
15°	734.8	750.9	767.4	773.4	785.3	788.2	792.6
17.5°	780.6	797.0	808.7	823.9	828.9	835.4	831.0
20°	805.7	823.6	838.4	850.3	855.4	859.1	858.7
22.5°	820.9	839.0	850.8	860.0	864.7	866.3	866.2
25°	830.3	840.8	844.5	847.9	842.6	840.8	841.5
27.5°	803.9	801.2	791.7	779.1	766.1	755.8	750.1
30°	767.6	751.7	737.3	712.0	699.0	691.2	684.2
32.5°	716.1	690.9	663.1	639.9	625.1	613.6	611.9
35°	627.8	590.0	555.9	527.5	512.9	500.5	497.6
37.5°	533.7	494.4	463.7	438.8	423.0	414.2	406.0
40°	471.3	437.5	407.3	386.2	374.1	367.8	362.7
42.5°	423.3	392.4	362.3	346.2	335.4	331.5	328.5
45°	356.8	328.0	307.3	295.1	288.8	282.2	279.1
47.5°	303.6	280.3	266.6	256.1	249.3	245.5	243.6
50°	273.5	254.3	242.1	234.1	228.0	225.0	223.3
52.5°	246.8	231.0	220.8	214.4	210.3	208.0	207.3
55°	212.5	200.5	194.0	188.5	185.5	183.4	182.6
57.5°	184.8	175.5	170.2	165.7	164.5	162.8	162.2
60°	166.5	159.4	154.9	151.8	150.8	148.8	149.1
62.5°	150.3	144.5	140.7	139.0	137.6	135.9	136.5
65°	127.2	122.9	120.8	119.2	117.6	116.6	117.4
67.5°	106.7	103.8	101.0	100.0	99.3	99.1	98.2
70°	93.3	90.9	88.4	87.8	87.8	87.0	86.8
72.5°	80.4	78.7	77.1	76.5	75.9	76.3	75.4
75°	62.2	60.7	60.1	59.5	59.3	59.3	58.7
77.5°	45.9	44.9	43.9	43.9	43.1	42.9	42.8
80°	34.9	34.4	33.7	33.7	33.2	33.4	33.0
82.5°	26.2	25.7	25.5	25.1	24.5	24.6	24.2
85°	14.0	13.4	13.3	12.7	12.2	12.7	12.2
87.5°	10.1	10.2	10.2	10.0	9.9	10.0	9.6
90°	26.0	27.4	28.2	28.7	29.1	29.5	30.0
92.5°	42.0	42.8	43.3	43.7	43.9	44.2	44.4
95°	78.0	78.7	79.0	79.0	79.0	79.0	79.0
97.5°	122.6	123.5	123.8	123.8	123.8	123.8	123.8
100°	154.4	154.8	155.1	155.1	155.1	155.1	155.1
102.5°	188.6	189.2	189.5	189.8	189.9	190.1	190.3
105°	240.0	240.7	241.4	242.1	242.7	243.4	244.1
107.5°	295.8	296.4	296.7	296.6	296.6	296.5	296.5
110°	331.7	331.3	331.4	332.1	332.8	333.5	334.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	372.0	372.0	372.0	372.1	372.2	372.4	372.6
115°	433.4	433.3	433.0	432.8	432.6	432.4	432.1
117.5°	492.1	491.3	490.8	490.3	489.8	489.4	489.0
120°	531.8	530.7	530.4	530.8	531.2	531.8	532.2
122.5°	572.9	572.1	571.4	570.6	569.8	568.9	568.2
125°	632.8	632.4	632.0	631.5	631.1	630.6	630.2
127.5°	689.9	689.4	689.1	688.7	688.3	687.9	687.6
130°	729.9	729.4	728.8	727.9	727.0	726.1	725.2
132.5°	767.5	767.1	766.6	766.3	765.9	765.6	765.3
135°	823.9	823.5	822.9	822.3	821.6	820.9	820.3
137.5°	878.3	877.8	877.5	877.7	877.8	878.0	878.0
140°	914.6	914.4	914.2	914.0	913.7	913.5	913.3
142.5°	948.7	948.7	948.6	948.6	948.6	948.6	948.5
145°	999.6	999.4	998.9	998.3	997.6	997.0	996.3
147.5°	1046.0	1045.8	1045.6	1045.4	1045.2	1044.9	1044.7
150°	1075.3	1075.3	1075.2	1075.0	1074.8	1074.5	1074.4
152.5°	1103.4	1103.9	1103.9	1103.3	1102.7	1102.1	1101.6
155°	1142.0	1142.9	1142.9	1142.0	1141.2	1140.2	1139.4
157.5°	1175.5	1176.2	1176.2	1175.4	1174.7	1173.9	1173.2
160°	1196.4	1197.0	1196.8	1195.7	1194.6	1193.5	1192.4
162.5°	1215.6	1216.8	1216.9	1215.7	1214.6	1213.5	1212.4
165°	1240.4	1241.7	1241.9	1241.0	1240.2	1239.2	1238.4
167.5°	1261.2	1262.5	1262.5	1261.1	1259.7	1258.4	1257.0
170°	1272.4	1273.8	1273.6	1272.0	1270.5	1268.9	1267.4
172.5°	1280.9	1282.5	1282.5	1280.8	1279.3	1277.7	1276.2
175°	1290.0	1291.6	1291.6	1290.0	1288.5	1286.9	1285.4
177.5°	1294.8	1296.0	1295.9	1294.4	1293.0	1291.6	1290.2
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4

(END OF REPORT)